

IAP12 Rec'd PCT/PTO 28 JUL 2006

PATENT
32860-001088/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant(s): Heike BARLAG et al.
Int'l Application No.: PCT/EP2005/050332
Application No.: NEW
Filed: July 28, 2006
For: ELECTROCHEMICAL TRANSDUCER ARRAY AND USE
THEREOF

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION CONCURRENT WITH THE
FILING OF A NEW PATENT APPLICATION)

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July 28, 2006

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☐ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☒ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

/Steven Rosenwald/ 05/31/2011

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.R./

New PCT National Phase Application
Docket No. 32860-001088/US

- ☒ Because the present application is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form 1449 are enclosed herewith.

III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

a. ☐ **DOCUMENTS IN THE ENGLISH LANGUAGE**

Some of the attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☒ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

Many of the documents have been discussed in the PCT Search Report, the PCT Preliminary Examination Report, and/or throughout the specification. The PCT Search Report and PCT Preliminary Examination Report, along with a German translation aid translating key terms into English, indicate the degree of relevance found by the PCT Office, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

c. ☒ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

We note that German Patent Publication No. DE 100 62 173 corresponds to U.S. Publication No. US 2004/0110230

e. ☐ **EQUIVALENCY DOCUMENTS**

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New PCT National Phase Application
Docket No. 32860-001088/US

FEES

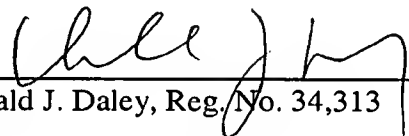
This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 08-0750.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY & PIERCE, P.L.C.

By: 
Donald J. Daley, Reg. No. 34,313

DJD:dpg

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Reston, Virginia 20195
(703) 668-8000

Enclosures: ☒ Form PTO-1449(s)
☒ Documents
☒ International Search Report (PCT/ISA/210 and PCT/ISA/220)
☒ International Preliminary Examination Report (PCT/IPEA/416 and PCT/IPEA/409)
☐ Fee
☐ Other: German Translation Aid

/Steven Rosenwald/ 05/31/2011

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PTO/SB/08e (05-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number

NEW

Filing Date

7-28-06

First Named Inventor

Dr. Heike Barlag

Art Unit

Unknown

Examiner Name

Unknown

Attorney Docket Number

2004P00205WOUS / WHT / KOE

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-6 489 102 B2	03.12.2002	Wisconsin Alumni Research Foundation	
	2	US-2003/0017508 A1	23.01.2003	Chiron Corp.	
	3	US-2002/0195345 A1	26.12.2002	3M Innovative Properties Company	
	4	US-2001/0007373 A1	12.07.2001		
	5	US 2004/0110230 A1	10.6.2004		
	6	US 2002/139981 A1	10.3.2002	Yang	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	7	EP 0 504 196 B1	23.08.1995	Ecosensors Ltd.		
	8	DE 297 17 809 U1	16.04.1998	Kurt-Schwabe-Institut für Meß- u. Sensortechnik		X
	9	DE 44 22 049 C2	04.01.1996	Knoll, Meinhard, Prof. Dr.		X
	10	DE 44 27 921 C2	15.02.1996	Forschungszentrum Jülich GmbH		X
	11	DE 199 16 921 A1	19.10.2000	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung eV		X
	12	OE 41 31 731 A1	19.05.1993	Dr. Raymond Glocker GmbH		X
	13	DE 100 62 173 C1	08.08.2002	Institut für Chemo- und Biosensorik Münster e.V.		X
	14	EP 1 304 563 A1	23.04.2003	Infineon Technologies AG		
	15	EP 0 193 251 B1	06.03.1991	Ciba Corning Diagnostics Corp.		
	16	WO 2004/001404 A1	31.12.2003	Becton, Dickinson and Company		
	17	DE 199 29 264 A1	11.01.2001	Knoll, Meinhard, Prof. Dr.		X
	18	WO 03/092073 A2	06.11.2003	Alien Technology Corp.		
	19	OE 100 09 729 A1	06.09.2001	Gesellschaft für Biotechnologische Forschung mbH		X
	20	WO 02/02796 A2	10.01.2002	Inventus Biotec Gesellschaft für innovative Bioanalytik, Biosensoren und Diagnostika MBH & Co. KG		
		WO 03/043945 A	5.30.2003	UCSB; Roche Diagnostics Co.		

Examiner
Signature

/Steven Rosenwald/

Date

Considered

05/31/2011

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Substituta for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	NEW
		Filing Date	7-28-06
		First Named Inventor	Dr. Heike Barlag
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet 2 of 2	Attorney Docket Number	2004P00205WOUS / WHT / KOE	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
	21	E. Jacobs et al.: "Analytical Evaluation of i-STAT Portable Clinical Analyzer and Use by Nonlaboratory Health-Care Professionals", Clinical Chemistry, 39, 1069 ff. (1993)	
	22	R. Thewes et al.: "Sensor Arrays for Fully Electronic DNA Detection on CMOS", ISSCC Digest of Tech. Papers, 2002, 350 ff.	

Examiner Signature	/Steven Rosenwald/	Date Considered	05/31/2011
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
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